

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> cl scr

SQL> SELECT Deptno, SUM(Sal)
2 FROM Emp
3 GROUP BY Deptno;

DEPTNO	SUM(SAL)
30	9400
20	10875
10	8750

SQL> SELECT SUM(Sal)
2 FROM Emp;

SUM(SAL)
29025

SQL> SET AUTOTRACE ON EXPLAIN
SQL> SELECT Deptno, SUM(Sal)
2 FROM Emp
3 GROUP BY Deptno;

DEPTNO	SUM(SAL)
30	9400
20	10875
10	8750

Execution Plan

Plan hash value: 4067220884

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time
0	SELECT STATEMENT		14	364	4 (25)	00:00:01

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```
-----
| 1 | HASH GROUP BY | | 14 | 364 | 4 (25) | 00:00:01 |
| 2 | TABLE ACCESS FULL| EMP | 14 | 364 | 3 (0) | 00:00:01 |
|
-----
```

Note

- dynamic sampling used for this statement

```
SQL> SELECT SUM(Sal)
      2 FROM Emp;
```

```
      SUM(SAL)
-----
```

```
      29025
```

Execution Plan

Plan hash value: 2083865914

```
-----
--
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time |
|-----|-----|-----|-----|-----|-----|-----|
--
| 0 | SELECT STATEMENT | | 1 | 13 | 3 (0) | 00:00:01 |
| 1 | SORT AGGREGATE | | 1 | 13 | | |
| 2 | TABLE ACCESS FULL| EMP | 14 | 182 | 3 (0) | 00:00:01 |
|
-----
```

Note

- dynamic sampling used for this statement

```
SQL> ED
Wrote file afiedt.buf
```

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```
1  SELECT Deptno, SUM(Sal), OrgSum
2  FROM Emp,
3  (
4  SELECT SUM(Sal) OrgSum
5  FROM Emp
6  ) E1
7* GROUP BY Deptno, OrgSum
8  /
```

DEPTNO	SUM(SAL)	ORGSUM
10	8750	29025
20	10875	29025
30	9400	29025

Execution Plan

Plan hash value: 3003679369

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time
0	SELECT STATEMENT		14	546	7 (15)	00:00:01
1	HASH GROUP BY		14	546	7 (15)	00:00:01
2	NESTED LOOPS		14	546	6 (0)	00:00:01
3	VIEW		1	13	3 (0)	00:00:01
4	SORT AGGREGATE		1	13		
5	TABLE ACCESS FULL	EMP	14	182	3 (0)	00:00:01
6	TABLE ACCESS FULL	EMP	14	364	3 (0)	00:00:01

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Note

- dynamic sampling used for this statement

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Deptno, SUM(Sal),
2  (
3  SELECT SUM(Sal)
4  FROM Emp
5  ) OrgSum
6  FROM Emp,
7* GROUP BY Deptno
```

SQL> /

GROUP BY Deptno

*

ERROR at line 7:

ORA-00903: invalid table name

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Deptno, SUM(Sal),
2  (
3  SELECT SUM(Sal)
4  FROM Emp
5  ) OrgSum
6  FROM Emp
7* GROUP BY Deptno
```

SQL> /

DEPTNO	SUM(SAL)	ORGSUM
30	9400	29025
20	10875	29025
10	8750	29025

Execution Plan

Plan hash value: 2065184867

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```
--
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time | |
|---|---|---|---|---|---|---|---|
| 0 | SELECT STATEMENT | | 14 | 364 | 4 (25) | 00:00:01 |
| 1 | SORT AGGREGATE | | 1 | 13 | | | |
| 2 | TABLE ACCESS FULL | EMP | 14 | 182 | 3 (0) | 00:00:01 |
| 3 | HASH GROUP BY | | 14 | 364 | 4 (25) | 00:00:01 |
| 4 | TABLE ACCESS FULL | EMP | 14 | 364 | 3 (0) | 00:00:01 |
--
```

Note

- dynamic sampling used for this statement

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Deptno, SUM(Sal) SalSum
2 FROM Emp
3 GROUP BY Deptno
4 UNION
5 SELECT NULL, SUM(sal)
6* FROM Emp
SQL> /
```

DEPTNO	SALSUM
10	8750
20	10875
30	9400
	29025

Execution Plan

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Plan hash value: 768573151

```
-----
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time |
-----
| 0 | SELECT STATEMENT | | 15 | 377 | 9 (67) | 00:00:01 |
| 1 | SORT UNIQUE | | 15 | 377 | 9 (67) | 00:00:01 |
| 2 | UNION-ALL | | | | | |
| 3 | HASH GROUP BY | | 14 | 364 | 5 (40) | 00:00:01 |
| 4 | TABLE ACCESS FULL | EMP | 14 | 364 | 3 (0) | 00:00:01 |
| 5 | SORT AGGREGATE | | 1 | 13 | 4 (25) | 00:00:01 |
| 6 | TABLE ACCESS FULL | EMP | 14 | 182 | 3 (0) | 00:00:01 |
-----
```

Note

- dynamic sampling used for this statement

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Deptno, SUM(Sal) SalSum
2 FROM Emp
3* GROUP BY ROLLUP (Deptno)
SQL> /
```

DEPTNO	SALSUM
10	8750
20	10875
30	9400
	29025

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Execution Plan

Plan hash value: 52302870

```
-----
| Id  | Operation                      | Name | Rows  | Bytes | Cost (%CPU)| Time     |
-----
|  0  | SELECT STATEMENT                |      |    14 |    364 |    4  (25) | 00:00:01 |
|  1  | SORT GROUP BY ROLLUP            |      |    14 |    364 |    4  (25) | 00:00:01 |
|  2  | TABLE ACCESS FULL              | EMP  |    14 |    364 |    3   (0) | 00:00:01 |
-----
```

Note

- dynamic sampling used for this statement

SQL> SPOOL OFF

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